

## DUPLEX PROBES FOR HYBRIDIZATION REACTIONS

### ABSTRACT

Methods are provide for quantitatively determining the amount of polynucleotides in a  
5 sample. In one method, the distinct polynucleotide targets and standard polynucleotide  
targets are contacted with detectable probes and independently detectable single or double  
stranded <sup>complements</sup> ~~complements~~ to the standard targets under hybridization conditions. The  
hybridization pattern from the probe is compared to the hybridization pattern from the  
standard sequences to obtain quantitative information about the genetic profile of the labeled  
10 nucleic acid sample. Also provided are kits for the use of the methods.